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From: [WORA \(alfonso_olias@ieci.es\)](mailto:alfonso_olias@ieci.es)

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Subject: Re: optimizing finder methods returning lists

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Date: 1999/12/09

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In article <384E6C92.5395A721@_NO_SPAM_poboxes.com_NO_SPAM>, patch@_NO_SPAM_poboxes.com_NO_SPAM wrote:

```
> Hi,
>
> I want my finder method to return a list of objects.
>
> In order to do that I must implement a method that returns an
> enumeration of the PKs of that object.
>
> Then the container would call findByPrimaryKey for each PK returned.
>
> This means that I make multiple calls to the db, once to retrieve all
> PK's, then a call for each PK to retrieve its data.
>
> I was thinking about creating a cache mechanism that would retrieve all
> data from the db and cache it so that the calls for each PK would be
> eliminated.
>
> Someone told me that Weblogic has a solution to this performance
> problem.
>
> Does anybody know what it is ?
>
> Thanks
>
> Please reply by email too.
>
>
```

If you are using VAJ you could use AccessBeans; there is a kind of **AccessBean**--> CopyHelper and RowSets to perform what you want. But there is a problem. I've been working with RowSets and actually doesn't work fine so that the RowSet doesn't contain objects (It's a VAJ bug). I've reported this error to IBM but I don't really know if it's fixed up in the last VAJ version.

Read the help files about AccessBeans.

I hope this helps!

Alfonso

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From: wynnytv@hotmail.com (wynnytv@hotmail.com) Search Result 32
 Subject: Re: URGENT: H E L P Servlet / JDBC/DB2 problem
 Newsgroups: [ibm.software.java.enterprise](#) View: [Complete Thread \(5 articles\)](#)
 Date: 2000/01/17 [Original Format](#)

I "sort-of" nailed this one.
 I can successfully obtain a connection in VisualAge3.
 Not using DriverManager.
 Not using that deprecated servlet connection pool library.
 I get my connection straight from a remote WebSphere 3.02 AE DataSource.

I delayed this posting because the db connections were failing on the
 2nd invocation to my methods. When that happened I needed to bounce
 my VisualAge Web&EJB servers. That had me pulling my hair out. I was
 getting this error...

```
COM.ibm.db2.jdbc.app.DB2Exception: [IBM][CLI Driver][DB2/NT] SQL0198N
The statement string of the PREPARE or EXECUTE IMMEDIATE statement
is blank or empty. SQLSTATE=42617
```

#1: I do use connection.close() to release my connection back to the
 remote DataSource. I tested this from both VisualAge and Websphere.
 #2: The BAD NEWS is that I can't get UDB preparedStatements to work
 reliably when running from VisualAge. Only regular Statements work
 smooth. This problem doesn't exist once you deploy to WebSphere 3.02
 AE. I'm going to test AS400 preparedStatements tomorrow.

Since WebSphere handles connection pools as EJBs, I've written an
AccessBean to wrap this. If you want the whole thing then email me,
 but the all important extra line that is needed is the PROVIDER_URL
 when your obtaining your reference to the DataSource.....

```
DataSource ds = null;
Hashtable props = new Hashtable();
props.put( Context.INITIAL_CONTEXT_FACTORY,
"com.ibm.ejs.ns.jndi.CNInitialContextFactory" );
props.put( Context.PROVIDER_URL, "iiop://your_AE_host_name:900" );
try
{
  Context ctx = new InitialContext( props );
  ds = (DataSource)ctx.lookup( "jdbc/your_datasource_name" );
}
catch( NamingException E )
{
  System.out.println( "FAILED TO OBTAIN DATASOURCES" );
  System.out.println( E );
}
```

PS: At one point I was getting a Driver not found error and I put this in my connPool class and it fixed it. Since then I've removed this code and it still works. I really have no idea why though.

```
try
{
    Class.forName( "COM.ibm.db2.jdbc.app.DB2Driver" );
}
catch( ClassNotFoundException E )
{
    System.out.println( "put db2java.zip in your classpath
dumbdumb" );
}
```

I'm not the administrator of our WebSphere 3.02 AE, but I did jot down the server's System classpath if this helps...

```
F:\SQLLIB\java\db2java.zip
F:\IBMDebug\lib\dertrjrt.jar
F:\ibm\jdk1.1.7\lib\classes.zip
```

Hey, I finished converting a large portion of my companies app from Jaguar(CORBA)+Dynascript to WebSphere+JSP using stateless Session Beans and I must tell you.

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From: [Wayne Kidd \(gwk@audiobookcentral.com\)](#)
Subject: **AccessBean** methods / Remote Interface
Newsgroups: [ibm.software.vajava.enterprise](#)
Date: 1999/12/21

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This is the only article in this thread
View: [Original Format](#)

✓ The following methods do not seem to be available (out of the box) to AccessBeans:

```
remove()  
accessors (getxxx()) for any key fields.
```

Although I understand there would be considerations about both of these things, they make the **AccessBean** less useful. This is particularly true when you consider that your custom methods disappear from AccessBeans when they are regenerated. It seems reasonable to generate accessors (but not mutators) for key fields (you obviously don't want to change elements of primary keys since the database won't let you do it anyway).

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